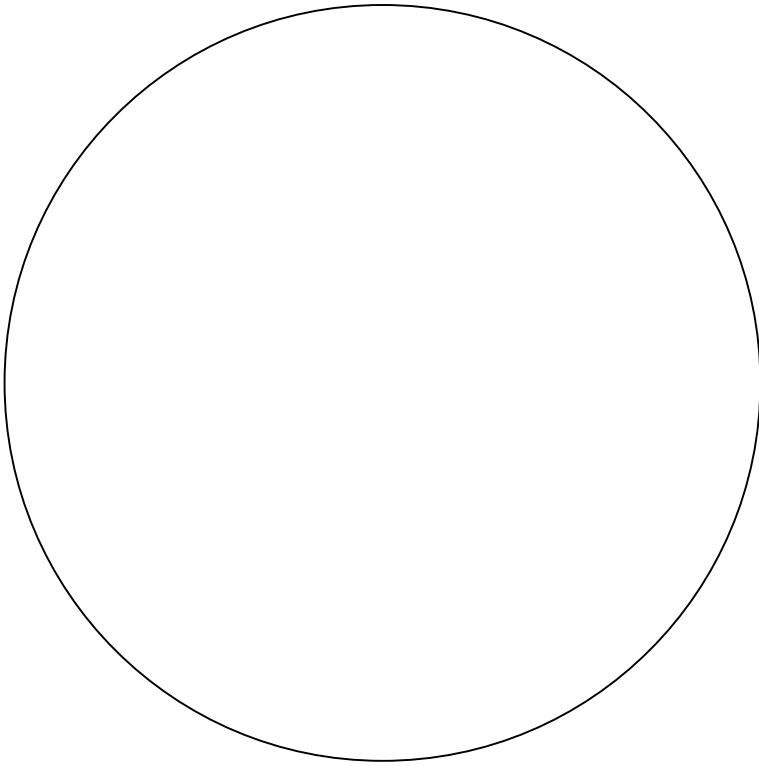


**Live from McDonald Observatory**  
Discovering the Sun

**Name:**

Look at the two images of the Sun – the entire Sun and the close-up view of the outer edge.

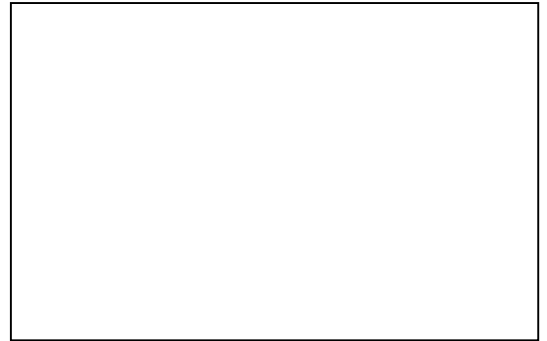
Draw what you see:



Draw a special feature here:



Draw a second feature here.



Did you see any change? Describe:

What happens to iron filings when a magnet is near?

How is this similar to features on the Sun? You may draw pictures if you wish.

Choose one answer. Sunspots are:

- Hotter than the photosphere.
- The same temperature as the photosphere.
- Cooler than the photosphere.

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**Name:**

Energy can be transferred in three ways. Write a definition for each one:

Convection: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Conduction: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Radiation: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Which of these occurs in the Sun?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_